

Spark YG™ 581 anti-human CD27 Recombinant

Catalog # / Size: 2566080 / 100 tests
2566075 / 25 tests

Clone: QA17A18

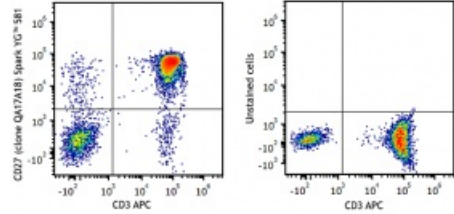
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Spark YG™ 581 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with anti-human CD3 APC and anti-human CD27 recombinant (clone QA17A18) Spark YG™ 581 (left) or with anti-human CD3 APC only (right).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Spark YG™ 581 has a maximum excitation of 562 nm and a maximum emission of 581 nm.

Application Notes: Clone QA17A18 does not block clones 0323, M-T271, or LG.3A10, indicating a unique epitope.

Description: CD27 is a 50-55 kD type I membrane protein also known as S152 and T14. It is a lymphocyte-specific member of the TNF-receptor superfamily. CD27 is expressed on medullary thymocytes, virtually all mature T cells, some B cells, and NK cells. CD27 binds to CD70, and plays a role in costimulation of T cell activation and regulation of B cell differentiation and proliferation. The cytoplasmic domains of CD27 have also been shown to interact with TRAF2 and TRAF5 to elicit NF-κB and SAPK/JNK activation.

- Antigen References:**
1. Knapp W, *et al.* 1989. *Immunol. Today* 10:253-8
 2. Schlossman S, *et al.* 1995. *Leucocyte Typing V: White Cell Differentiation Antigens.* Oxford University Press.
 3. Hintzen R, *et al.* 1994. *Immunol. Today* 15:307.
 4. Agematsu K, *et al.* 1995. *J. Immunol.* 154:3627.